SYLLABUS
Special Topics
ChBE 495 Spring 2018

Course Description

This course involves investigating topics of chemical engineering interest. The student will research a given topic, develop the necessary mathematical foundation for the topic, undertake any required laboratory experiments to advance the topic, and develop the computer programs necessary for analyzing the experimental data generated by the topic.

Course Prerequisites

Permission of the advisor.

Course Requirements

The advisor will determine the meeting times and laboratory schedule. The student will attend weekly meetings and provide the advisor with timely updates per the topic. A minimum of three hours per week of laboratory work, mathematical analysis, and/or data analysis are required for each credit hour. Active participation in the topic is an important consideration in determining the final grade.

Course Requirements

The student will attend weekly group meetings.
The student will perform three hours of laboratory work, mathematical analysis, and/or data analysis per credit hour.
The student will submit a monthly report on the last day of each month.
The student will submit a final report at the end of the topic investigation or end of the semester.
The student will present the results of his/her topic before an audience in an appropriate venue.

The first monthly report will include

1. a description of the motivation warranting the topic investigation;
2. a list of goals to be accomplished during the time of the topic investigation;
3. a plan for accomplishing the stated goals during the time of the topic investigation;
4. a discussion between the student and the advisor concerning this document.

Each subsequent monthly report will include

1. an assessment to date of progress;
2. a description of accomplishments to date;
3. a description of problems encounter to date;

4. a description of potential solutions to any problems encountered to date.

The advisor will specify the content of the final report.

Honor Code Policies

The reports submitted by the student must be prepared by the student. The student must clearly cite all information not generate by him/her. Plagiarism will not be tolerated. Please visit http://honor.rice.edu for questions about the Rice Honor Code.

Special Needs

Any student with a documented disability needing academic adjustments or accommodations must meet with the advisor during the first two weeks of the topic investigation. All such discussions are confidential. Students with disabilities also need to contact Disability Support Services in the Ley Student Center.

Information Contained in this Syllabus

The information contained in this course syllabus, other than the absence policies, is subject to change with reasonable advance notice, as deemed appropriate by the topic advisor.